Chronic Disease Indicators: Indicator Definition



Hospitalization for congestive heart failure among Medicare-eligible persons aged >= 65 years

Category: Cardiovascular Disease

Demographic Group: Medicare-eligible resident persons aged >=65 years.

Numerator: Hospitalizations (not unduplicated*) with principal diagnosis of International Classification of

Diseases (ICD)-9-CM code 428.0 among Medicare-eligible resident persons aged >=65 years.

Denominator: Residents aged >=65 years who were eligible for Medicare Part A benefits on July 1 of the

calendar year, excluding members of health maintenance organizations.

Measures of Frequency: Annual number of hospitalizations. Annual hospitalization rate — crude and age-adjusted

(standardized by the direct method to the year 2000 standard U.S. population, distribution 18†)

— with 95% confidence interval.

Time Period of Case

Definition:

Calendar year.

Background: Congestive heart failure (CHF) is the leading principal diagnosis for Medicare hospital claims.

Significance: Approximately 75% of persons with CHF have antecedent hypertension. During 1979–1996,

hospitalizations for CHF increased by 130%. Substantial differences in CHF death rates and preventive

measures exist by race, age, sex, place of residence, and other demographic factors.

Limitations of Indicator: Because congestive heart failure is a chronic disease that can have a long preclinical phase, years

might pass before changes in behavior or clinical practice affect population morbidity and mortality.

Data Resources: Centers for Medicare and Medicaid Services (CMS) Part A claims data (numerator) and CMS

estimates of the population of persons eligible for Medicare (denominator).

Limitations of Data

Resources:

Diagnoses listed on hospital discharge data might be inaccurate. Practice patterns and payment mechanisms could affect decisions by health-care providers to hospitalize patients. Indicator is

limited to Medicare-eligible population.

Healthy People 2010

Objectives:

12-6: Reduce hospitalizations of older adults with congestive heart failure as the principal diagnosis. (12-6a is specific for adults aged 65–74 years; 12-6b is specific for adults aged 75–84 years; 12-6c

is specific for adults aged >=85 years.)

^{*} The term not unduplicated refers to the fact that one person might account for multiple admissions. † See Klein RJ, Schoenborn CA. Age adjustment using the 2000 projected U.S. population. Hyattsville, MD: US Department of Health and Human Services, CDC, National Center for Health Statistics, 2001. Healthy people 2010 statistical notes, no. 20. http://www.cdc.gov/nchs/data/statnt/statnt20.pdf